



Images

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT
COOPERATION TREATY (PCT)

(11) **WO 2005/081609**

(13) **A1**

(21) PCT/JP2004/002104

(22) 24 February 2004 (24.02.2004)

(25) Japanese

(26) Japanese

(43) 01 September 2005 (01.09.2005)

(51)⁷ **H05K 9/00**, **H01F 1/00**

(54) **ELECTROMAGNETIC WAVE NOISE SUPPRESSOR, STRUCTURAL
BODY WITH ELECTROMAGNETIC WAVE NOISE SUPPRESSING
FUNCTION, AND PROCESS FOR PRODUCING THEM**

(71) **SHIN-ETSU POLYMER CO., LTD.** [JP/JP]; 3-5, Nihonbashi-honcho 4-
chome, Chuo-ku, Tokyo 103-0023 (JP).

(71) 信越ポリマー株式会社 (**SHIN-ETSU POLYMER CO., LTD.**) [JP/JP]; 〒
103-0023 東京都 中央区 日本橋本町 4 丁目 3 番 5 号 Tokyo (JP).

(72) **KAWAGUCHI, Toshiyuki** [JP/JP]; c/o Shin-Etsu Polymer Co., Ltd., 3-5,

(75) Nihonbashi-honcho 4-chome, Chuo-ku, Tokyo 103-0023 (JP). **TANIGUCHI,**
Atsushi [JP/JP]; c/o Shin-Etsu Polymer Co., Ltd., 3-5, Nihonbashi-honcho 4-
chome, Chuo-ku, Tokyo 103-0023 (JP). **GONDA, Takashi** [JP/JP]; c/o Shin-
Etsu Polymer Co., Ltd., 3-5, Nihonbashi-honcho 4-chome, Chuo-ku, Tokyo
103-0023 (JP).

(72) 川口 利行 (**KAWAGUCHI, Toshiyuki**) [JP/JP]; 〒103-0023 東京都 中央区

(75) 日本橋本町 4 丁目 3 番 5 号 信越ポリマー株式会社内 Tokyo (JP). 谷口 敦
(**TANIGUCHI, Atsushi**) [JP/JP]; 〒103-0023 東京都 中央区 日本橋本町 4 丁
目 3 番 5 号 信越ポリマー株式会社内 Tokyo (JP). 権田 貴司
(**GONDA, Takashi**) [JP/JP]; 〒103-0023 東京都 中央区 日本橋本町 4 丁目 3
番 5 号 信越ポリマー株式会社内 Tokyo (JP).

(74) **SHIGA, Masatake, et al**; 2-3-1, Yaesu, Chuo-ku, Tokyo 104-8453 (JP).

(74) 志賀 正武 (**SHIGA, Masatake**), et al; 〒104-8453 東京都 中央区 八重洲 2 丁
目 3 番 1 号 Tokyo (JP).

(81)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ,

UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(84) ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

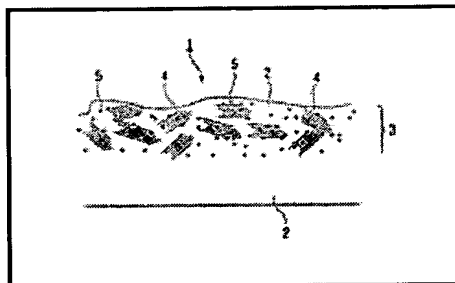
For information on time limits for entry into the national phase please click [here](#)

Published

-- *with international search report*

(57) An electromagnetic wave noise suppressor having a magnetic resonance frequency not lower than 8 GHz, wherein the imaginary part μ''_H of complex permeability at a frequency of 8 GHz is larger than the imaginary part μ''_L of complex permeability at a frequency of 5 GHz. Such an

electromagnetic wave noise suppressor can exhibit sufficient electromagnetic wave noise suppression effect over the entire quasi-microwave band and can be produced by depositing a magnetic material physically on a binder (2) thereby forming a composite layer (3) on the surface of the binder (2). In the structural body with an electromagnetic wave noise suppressing function, surface of the structural body, e.g. a printed wiring board or a semiconductor integrated circuit, is coated at least partially with the electromagnetic wave noise suppressor.



Français

1 of 1